

Notice of Allowability

Application No.

10/768,518

Applicant(s)

ILOGLU ET AL.

Examiner

Kishin G. Belani

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicants' amendment after Non-Final Rejection filed 06/26/2007.
2. ☒ The allowed claim(s) is/are 18-20 renumbered 1-3.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100
Part of Paper No./Mail Date 20070823

DETAILED ACTION

This action is in response to Applicant's amendment filed on 06/26/2007. **Claims 1-17 and 21 have been cancelled. Objected claim 18 has been amended to the independent form by incorporating all the limitations of its independent claim 11 and dependent claim 17. Dependent claims 19 and 20 are as previously presented. Claims 18-20 are now pending in the present application.**

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Henry Brendzel, registration number 26,844, on 8/27/2007, and confirmed by an e-mail sent to the examiner.

The claims have been amended as follows:

Claim Listing

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 17. (Canceled)

18. (Currently Amended) A method executed in an arrangement including a network that supports assigning systems to specified VPNs, which systems connect to edge routers of the network, which network includes collection, comprising one or more devices, that operates to insure that systems A and B of said systems that are each assigned to one or more VPNs but which have no commonly assigned VPN cannot communicate with each other, comprising the steps of:

receiving a message from an application of a type for which inter-VPN communication is allowed, indicating a desire to establish communication between said systems A and B; directing said collection to install a modification having whose effect is to allow communication between said systems A and B; and directing said collection to remove said modification at a later time to reinstate prohibition against communication between said systems A and B;

where said directing said collection to install a modification comprises a step of installing an entry in a VPN route and forward (VRF) table that is associated with edge router A of said edge routes through which said System A is coupled to said network, and installing an entry in a VRF table that is associated with edge router B of said edge routes through which said system B is coupled to said network; and

~~The method of claim 17~~ where said entry that is installed in said VRF associated with

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said edge router A comprises an indication that system B belongs to a VPN to which system A belongs, and said entry that is installed in said VRF associated with said edge router B comprises an indication that system A belongs to a VPN to which system B belongs.

19. (Previously Presented) The method of claim 18 where said entry that is installed in said VRF associated with said edge router A further comprises a route indication for reaching system B, and said entry that is installed in said VRF associated with said edge router B further comprises a route indication for reaching system A.

20. (Previously Presented) The method of claim 18 where said entry that is installed in said VRF associated with said edge router A further comprises a route criterion for limiting traffic that is destined to system B solely to traffic that pertains to said application.

21. (Canceled)

Allowable Subject Matter

Claims 18-20 are allowed.

The following is an examiner's statement for reasons for allowance:

Consider **claim 18**, the best prior art found during the examination of the present application, **Chantrain et al. (U.S. Patent Application Publication # 2002/0002687 A1)** in view of **Chu et al. (U.S. Patent Application Publication # 2004/0255028 A1)**, and further in view of **Salama (U.S. Patent Publication # 7,120,682 B1)**, fail to specifically disclose the limitation of the method of arrangement of VPNs in a network, where said entry that is installed in said VRF associated with said edge router A comprises an indication that system B belongs to a VPN to which system A belongs, and said entry that is installed in said VRF associated with said edge router B comprises an indication that system A belongs to a VPN to which system B belongs.

Additional search after the non-final office action, and the subsequent review of the found references {Moberg et al. (US 7,185,106 B1); Akhtar et al. (US 7,079,499 B1; Dantu et al. (US 6,532,088 B1); McDysan (US 2004/0208122 A1); and Rosen et al. (US 2003/0016672 A1) did not reveal the inventive concept of the amended claim 18.

Therefore **claim 18** is considered novel and non-obvious.

Claims 19 and 20 are allowed because of their dependency on allowable independent **claim 18**.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Hand-delivered responses should be brought to

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Kishin G. Belani whose telephone number is (571) 270-1768. The Examiner can normally be reached on Monday-Thursday from 6:30 am to 5:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, David Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published

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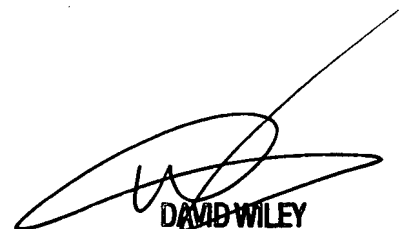
applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-0800.

Kishin G. Belani

K.G.B./kgb

August 23, 2007



DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100